IN THE SPECIFICATION:

Please amend the specification as follows:

Page 1, line 12, change "In the meantime, the" to --The--;

line 13, delete "in";

line 14, after "substrate" insert --. The substrate is biased--, change "there are" to --of-- and delete "some";

line 15, change "advantages," to --advantages as--;

line 16, after "First," insert --the biased substrate makes--, delete "is", and after "minimize" insert --a--;

line 17, after "by" insert --a--, delete "it is possible", and after "obtain" insert --an--;

line 19, change "in order to protect" to --the biased substrate protects-- and after "device" delete ", it is";

line 20, change "possible to suppress" to --by suppressing-- and after "reducing" insert --a--;

line 21, after "of" insert --a--;

line 22, change second occurrence "the" to --a-- and after "voltage" insert --(bias)--; and

line 25, change "In the meantime, the" to --A-- and change "of" to --in--.

Page 2, line 4, after "substrate" insert --bias--;

line 5, after "substrate" insert --bias--;

line 10, after "substrate" insert --bias--;

line 13, change "In the meantime, the" to --The--;

line 14, change "block," to --block of Fig. 1--;

line 15, change "being" to --which is-- and delete "apt to be";

line 17, after "substrate" insert --bias--;

line 19, change "being" to --which is-- and delete "apt to be";

line 22, after "substrate" insert --bias--;

line 23, after "in" insert --the--;

line 24, before first occurrence "voltage" insert --bias--;

line 25, after first occurrence "substrate" insert --bias--, before "small" insert --too-- and after second occurrence "voltage" insert --bias--;

line 27, after "in" insert --the--;

line 29, after "substrate" insert --bias-- and before "large" insert --too--;

line 30, after "substrate" insert --bias--;

line 32, change "2 receiving" to --2, which receives--; and

line 34, after "substrate" insert --bias-- and after "VBB" insert --from--.

Page 3, line 2, after "substrate" insert --bias--;

line 3, before "voltage" insert --bias-- and replace "of" with --from--;

line 4, before (first occurrence) "voltage" insert --bias-- and before (second occurrence) "voltage" insert --bias--;

line 5, before "high" insert --too--;

line 7, after "substrate" insert --bias--;

line 8, before "low," insert --too--;

line 10, after "substrate" insert --bias--, after "VBB" insert --of the conventional circuit can either--, and replace "turns" with --turn--;

A3

line 11, replace "can" with --cannot-- and delete "not";

line 12, replace "14" with --16--;

line 13, after "turned-on" and before "," insert --to at least some extent-- and after "that" insert --a--;

A4

line 15, change "the other" to --another--;

line 18, replace first occurrence "the" with --a-- and replace "in" with --when--;

line 19, delete "case of powering up of" and after "chip" insert --is powered up--;

line 20, delete "specially" and change "the consumption of the" to --an increased and unnecessary consumption of--;

A5

line 21, delete "to be increased";

line 22, change "In the meantime, in" to --In the-- and change "the cell which has the" to --a cell which has a--;

line 25, change "In special, a" to --A--;

line 28, change "performing low current consumption" to --consumes a low amount of current-- and before "is" insert --as--;

line 20, replace "in" with --on-- and replace ""1993" with --the 1993--;

line 30, before "well" insert --is--; and

line 33, replace "in" with --during--.

Page 4, line 2, change "longer maintained" to --maintained longer--;

line 3, after "most" insert --of the--;

line 5, replace third occurrence "the" with --a--;

line 7, change first occurrence "the" with --constant--;

line 8, before "case" insert --the-- and before "time" insert --length of--;

line 9, replace "stayed" with --held--;

line 11, delete ", however," and after "state" delete ",";

line 12, delete first occurrence "the";

line 14, after "since" insert --the length of--;

line 17, change "the period of" to --a fixed period designed into--;

line 18, replace "stayed" with --held--;

line 19, delete "inside of";

line 20, before "time" insert --length of-- and replace "stayed" with --held--;

line 21, delete "in total";

line 26, after "having" insert --an otherwise--;

line 28, after "therefore" insert --an--; and

line 32, delete "minimally".

Page 5, line 1, after "consumption" insert --to a minimum--;

line 5, after "is" insert --a--;

line 6, delete "inside of";

line 7, change "generation of" to --consuming--;

line 8, after "still" insert --a--;

line 10, delete "inside of" and replace "generation" with --consuming--;

line 11, change "of the" to --a--;

line 12, after "yet" insert --another--;

line 14, replace "an" to --a--;

line 15, change "having as an operational mode" to --including--;

line 16, replace "the" with --a--;

line 18, replace "an" with --a--;

line 19, replace "the" with --a--;

line 21, change "As the" to --The--;

line 22, change "synchronizes" to --is synchronized--;

line 23, after "mode," insert --such that--; and

line 24, change ", whereas" to --and--.

Page 6, line 8, delete "a";

line 14, delete "each of" and after "signals" insert --generated by the circuit--;

line 16, delete line 16 in its entirety;

line 17, replace "a" with --A-- and change "is to prevent the consumption" to --according to the present invention prevents the consumption of--;

line 19, replace "generated" with --thereby--;

line 20, replace "another" with --the--;

line 21, before "as" insert --is

defined--, after "except" insert --where otherwise noted such as in--, and delete "determined"; and

line 27, after "construction" insert --shown in--.

Page 7, line 10, change "in detail explained" to --explained in detail--;

line 11, change "In the meantime, in" to --In-- and before "easily" insert --more--;

line 13, after "As" insert --is-- and after "substrate" insert --bias--;

line 14, replace "carrier" with --carriers--;

line 15, change "in case that" to --in the case when--;

line 17, before first occurrence "the" insert --during--, delete "there is scarcely", and after "current" insert --is scarcely--;

line 20, replace "at" with --in-- and delete "of the chip";

line 22, after "substrate" insert --bias--;

line 25, after "substrate" insert --bias--;

line 29, delete "contrary that of";

line 31, change "In the meantime, as mentioned above, if" to --If--;

line 32, replace "stayed" with --held-- and delete "of the chip"; and

line 34, change "operate, however," to --operate.--

Page 8, line 1, before "only" insert --It should--, before "during" insert --operate--, delete ", it should operate", and after "prevent" insert --an increase in the--;

line 2, delete first occurrence "the", after "consumption" insert --according to the substrate voltage when in--, delete "under", and delete "of the chip from being";

line 3, delete "increased according to the substrate voltage";

line 4, change "to be refreshed by the period of the chip," to --occurring every predetermined period,--;

line 5, change "each stayed" to --held--;

line 6, change "period generated in inside of" to --period as generated within--;

line 7, replace "stayed" with --held--;

line 8, change "Meantime, since" to --Since--;

line 9, replace "decades" with --tens--;

line 26, delete "continuously";

line 27, change "till the substrate" to --continuously until the substrate bias-- and change "is arrived" to --arrives--;

A9

line 28, change "stayed" to --held--; and

line 34, after "substrate" insert --bias--.

Page 9, line 2, before "enough" insert --negligible-- and delete "small";

line 12, before "disclosed" insert --known in the art such as is--;

line 20, change "reversely outputting" to --which inverts--;

line 24, replace "44" with --38-- and replace second occurrence "the" with --a--;

line 26, change "the ground terminal Vss" to --an NMOS transistor 44--;

line 27, before "voltage" insert --bias-- and replace "an" with --the--;

line 28, replace "40" with --44-- and change "whose channel is" to --having a channel--;

After line 32, please insert the following paragraph --Those of ordinary skill in the art will appreciate that a NAND gate may be formed by the combination of an AND gate and an inverter, and that a NOR gate may be formed by the combination of an OR gate and an inverter.--; and

A9

line 33, change "4 being the" to --4, which is an--.

Page 10, line 2, replace "that" with --wherein--;

line 3, before "follows" insert --described as--;

line 4, change "like an" to --as in--;

line 13, after "substrate" insert --bias--;

line 14, change "In the meantime, in" to --In--;

line 16, after "substrate" insert --bias--;

line 17, after "level." insert --In Fig. 4, waveform (a) shows the signal $\overline{RAS}$, waveform (b) shows $\overline{CAS}$,

A10

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waveform (c) shows ϕ, self (d) shows ϕ act, waveform (e) shows the signal at node A shown in Fig. 3, waveform (f) shows the signal at node 24, and waveform (h) shows the substrate bias voltage VBB(-). When signal A is at a low logic level, the substrate voltage level detector 26 is enabled, and when at a logic high level it is disabled. Time T1 is the stand-by state of normal operation mode, time T2 is the stand-by state of the self refresh mode, and Time T3 is the active state of self refresh mode. The time interval $T_{self-in}$ is the self refresh mode entrance time.--;

line 20, after "is" insert --described--;

line 26, after "substrate" insert --bias--;

line 28, after "42" insert --,--; and

line 31, change "NAND gate 34" to --inverter 48--.

Page 11, line 2, change "the detecting operation" to --detecting--;

line 3, before "voltage" insert --bias-- and delete "of Fig.";

line 4, delete "4" and after "most" insert --of the--;

line 17, after "substrate" insert --bias--;

line 21, delete "construction of the";

line 22, change "differently embodied" to --constructed differently such as--;

line 25, delete "has";

line 26, change first occurrence "the" to --includes a--;

line 30, delete "there arises"; and

line 31, after "efficiency" insert --arises--.